

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	jp-07209115-\$.did.	JPO; DERWENT	OR	OFF	2007/04/17 17:03
L2	2	("6343498" "6826503").pn.	USPAT	OR	OFF	2007/04/17 17:04

DERWENT-ACC-NO: 1995-313868

DERWENT-WEEK: 200148

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TITLE: Diaphragm type semiconductor pressure detector  
- has signal transfer unit to transfer signals from  
pressure sensing element in housing to exterior

PATENT-ASSIGNEE: NIPPONDENSO CO LTD[NPDE]

PRIORITY-DATA: 1994JP-0006269 (January 25, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
<b>JP 07209115 A</b>	August 11, 1995	N/A
010 G01L 009/04		
JP 3198773 B2	August 13, 2001	N/A
010 G01L 009/04		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 07209115A	N/A	1994JP-0006269
January 25, 1994		
JP 3198773B2	N/A	1994JP-0006269
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JP 3198773B2	Previous Publ.	JP 7209115
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INT-CL (IPC): G01L009/04, H01L029/84

ABSTRACTED-PUB-NO: JP 07209115A

BASIC-ABSTRACT:

The semiconductor pressure detector consists of a circuit board (10). The circuit board consists of a pressure sensor (5). The pressure sensor produces an electrical signal depending on the pressure in side room. A bonding wire (12) and two pins for adjustment signal transfer terminal and a power transfer

terminal (2b, 2a) communicates signals between the pressure sense element and exterior. The whole arrangement constitutes signal transfer unit.

A connector housing (1) with an enclosure hole (1b) is provided to house the two pin terminals. The hole also encloses a liquid (13). The connector housing is sealed air tight with a main housing (3) using an air tight diaphragm. The main housing consists of pressure introduction hole (3b) which conveys the pressure from exterior to the liquid enclosed. Thus, the pressure from the exterior is conveyed to the liquid and sensed by pressure sensing element.

ADVANTAGE - Provides air tight sealing.

CHOSEN-DRAWING: Dwg.1/11

TITLE-TERMS: DIAPHRAGM TYPE SEMICONDUCTOR PRESSURE DETECT SIGNAL  
TRANSFER UNIT  
TRANSFER SIGNAL PRESSURE SENSE ELEMENT HOUSING EXTERIOR

DERWENT-CLASS: S02 U12

EPI-CODES: S02-F04A2; S02-F04B1; S02-F04B3; U12-B03E;

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Non-CPI Secondary Accession Numbers: N1995-237064